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PATENT ABSTRACTS OF JAPAN

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(21) Application number : 2002-068467 (71) Applicant : NIPPON ZEON CO LTD
(22) Date of filing : 13.03.2002 (72) Inventor : MURAKAMI TOSHIHIDE

(54) WIDE-BAND WAVELENGTH PLATE

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a 1/4-wavelength plate which has superior sharpness of a display and has no decrease in the sharpness and is usable for a wide-wavelength band when installed on a liquid crystal display and used.

SOLUTION: The wide-band 1/4-wavelength plate is manufactured by stacking a 1/2-wavelength plate (A) and a 1/4-wavelength plate (B); and at least one of the plates consists principally of alicyclic structure containing polymer resin and the both are characterized in that the ratio Re(450)/Re(550) of the retardation value [Re(660)] measured at 25° C with a 550 nm wavelength and the retardation value [Re(450)] measured at 25° C with a 450 nm wavelength is ≤1.007 and a volatile component content is ≤0.1 wt.%.

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